

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 September 2003 (12.09.2003)

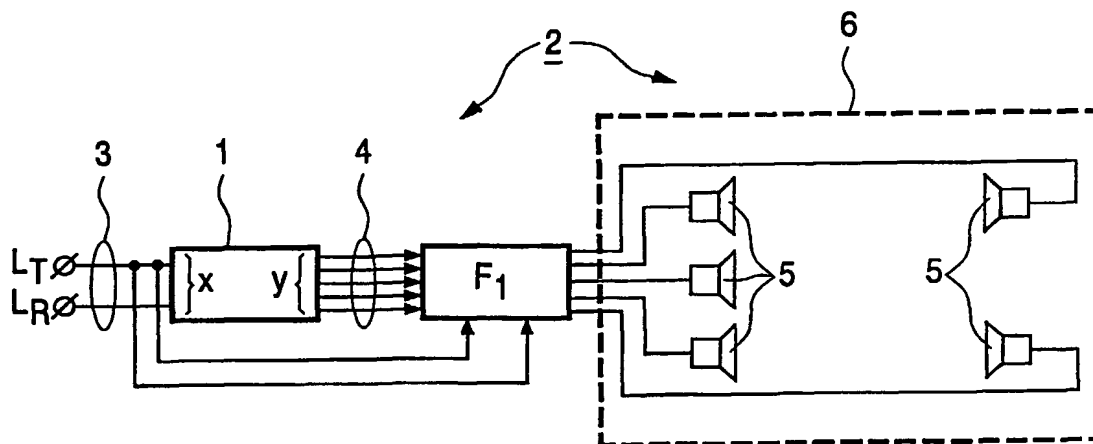
PCT

(10) International Publication Number
WO 03/075609 A2

- (51) International Patent Classification⁷: H04S (74) Agent: GROENENDAAL, Antonius, W., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (21) International Application Number: PCT/IB03/00488
- (22) International Filing Date: 7 February 2003 (07.02.2003) (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02075907.2 7 March 2002 (07.03.2002) EP (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): IRWAN, Roy [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). SCHOBSEN, Daniel, W., E. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- Published:**
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: USER CONTROLLED MULTI-CHANNEL AUDIO CONVERSION SYSTEM



(57) Abstract: A multi-channel audio conversion system is described, comprising audio mode converting means having a signal input and a signal output for converting audio input signals to audio output signals representing audio in an audio output mode. The audio mode converting means are arranged for user controlled conversion from the audio input signals to the audio output signals. Advantageously the influencing of the conversion from audio input signals to audio output signals may take place by the listener. This results in a smooth and personalized freedom of choice regarding the amount of multi-channel stereo and/or surround effects in the audio output signals of the system.